

Claims

1. A solid oral tooth whitening lozenge composition comprising more than 75% by weight of solid materials, said composition comprising:
  - 5 a) a lozenge base,
  - b) conventional lozenge additives,
  - c) a tooth whitening agent comprising calcium pyrophosphate.
2. A composition according to claim 1 in which said calcium pyrophosphate is pre-  
10 sent in an amount of between 0.1 and 10% by weight of the composition.
3. The composition according to claim 2 in which said calcium pyrophosphate is present in an amount of between 0.5% and 9%, preferably between 1.0 % and 6.5 %, even more preferably between 1.5 % and 4.0 %, by weight of the composition.  
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4. The composition according to any of the preceding claims in which said conventional lozenge ingredients comprise one or more of the following: sweeteners, high intensity sweeteners, taste enhancers, flavouring agents, colouring agents.
- 20 5. The composition according to any of the preceding claims in which said composition is essentially sugar-free.
6. The composition according to any of the preceding claims comprising one or more additional tooth whitening agents.  
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7. The composition according to claim 6 in which said additional tooth whitening agent(s) is/are present in between 0.01% and 5.0%, more particularly between 0.05 and 1.0%, most preferably between 0.1% and 0.5% by weight of the composition.
- 30 8. The composition according to claim 6 or 7 in which said additional tooth whitening agent comprises a bicarbonate salt.

9. The composition according to claim 8 in which said additional tooth whitening agent comprises sodium bicarbonate, said agent being present in between 0.1% and 0.5% by weight of the composition.

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10. The composition according to any of the preceding claims in which said additives and/or tooth whitening agents are encapsulated.

11. The composition according to any of the preceding claims further comprising one or more of the following: oral hygiene promoting agents, anti-calculus agents, anti-microbial agents, anti-inflammatory agents, desensitising agents, therapeutically active agents, remineralising agents.

12. The composition according to any of the preceding claims further comprising a supplement.

13. The composition according to claim 12 in which said supplement comprises vitamin C.

14. The composition according to claim 11 in which the oral hygiene promoting agent comprises urea, said urea being present in between 0.1% and 25%, particularly between 0.4% and 10%, preferably between 0.6% and 5.0%, more preferably between 0.7 % and 3.5%, even more preferably between 0.8 % and 2.5% by weight.

15. The composition according to any of the preceding claims in the form of hard-boiled lozenges.

16. A use of a composition according to any of the preceding claims to whiten tooth surfaces.

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17. A use of a composition according to claims 1-15 to whiten tooth surfaces, said

tooth surfaces being discoloured after use of red wine or related products.

18. A use of a composition according to any of the claims 1-15 to whiten tooth surfaces, said tooth surfaces being discoloured after use of coffee-related products.

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19. A method of whitening tooth surfaces by consuming a solid, oral tooth whitening lozenge composition according to any of claims 1-15.

20. A method of whitening tooth surfaces by consuming a solid oral tooth whitening lozenge composition according to claims 1-15, said tooth surfaces being discoloured after use of red wine or related products.

21. A method of whitening tooth surfaces by consuming a solid oral tooth whitening lozenge composition according to any of the claims 1-15, said tooth surfaces being discoloured after use of coffee-related products.

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